

FABRICXPRESS 2000

BIG COMPUTING IN SMALL SPACES

HIGHLIGHTS

DENSE FOOTPRINT

Storage and compute density designed for a compact footprint, and enterprise-grade performance and reliability.

Scaling up to:

- 224 Logical Cores
- 1.1 PB NVMe SSDs
- 4 TB RAM
- 10 GPU/FPGA Accelerators

All in just 3 rack units

MODULAR DESIGN

One-size doesn't fit all edge computing projects. Deploy infrastructure that is **designed for your data:**

- Simple, flexible design
- Swap-in accelerators
- Optimal capacity and growth availability
- Increase CPU and RAM

HIGH-PERFORMANCE

Designed with an internal 160 lane PCIe bus architecture to enable flexible lane allocation to optimize your data movement use case. **Delivering up to:**

- 20 Million IOPS
- 240 GB/s System throughput

The Densest Computing Power in a Server Available Today

Designed for the Space-Constrained Data Center

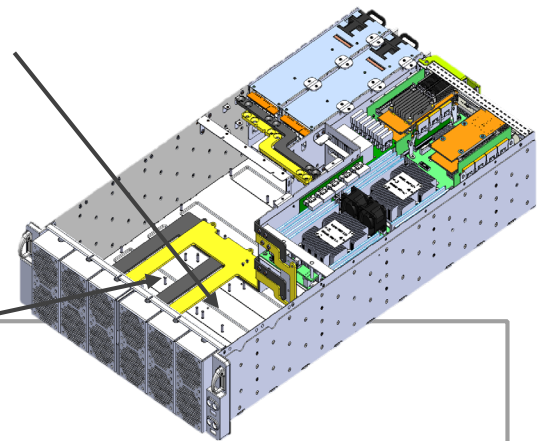
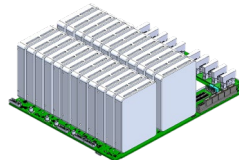
A second generation FabricXpress™ 2000 platform built for extensive modularity, enterprise-grade reliability, and next-generation size, compute, and storage per rack unit.

FX surpasses all others where data *velocity*, *volume*, and *variety* meet space, weight, and power requirements.

With FX-2000, take maximum computing to the edge and stay ahead of SWaP requirements in Security, Defense, and Commercial edge computing deployments.

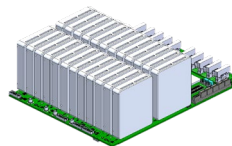
DRAMATICALLY INCREASE COMPUTING POWER & DECREASE SWaP

INCLUDES: One 24 x 2.5" NVMe SSD

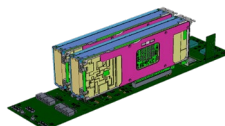


AND THEN CHOOSE BETWEEN:

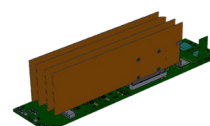
One 24 x 2.5" NVMe SSD



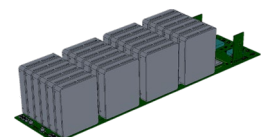
OR two of the following IO modules:



2 FHFL* double wide PCIe cards



4 FHFL* single wide PCIe cards



24 x 2.5" NVMe SSD

* Full Height Full Length

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Authorized Reseller

FABRICXPRESS 2000

BIG COMPUTING IN SMALL SPACES

EACH 3U FABRICXPRESS CHASSIS HOUSES UP TO TWO SERVERS

TECHNICAL SPECIFICATIONS SHOWN BELOW ARE PER SERVER

PROCESSORS

CPU	2 Sockets 56 Cores 112 Threads
Type	Intel® Xeon® Scalable Processor Gen 2 (Cascade Lake)

MEMORY

Memory Slots	16
Min/Max	32GB to 2TB
Type	DDR4 RDIMM & LRDIMM

SECURITY

Security Features	<ul style="list-style-type: none"> Physical Intrusion Detection TPM 2.0, FIPS 140-2 AES-NI Secure Boot Disk Encryption Intel QAT (IPSEC Acceleration)
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I/O – STORAGE

NVMe SSD	Dual or Single Port
Raw Capacity	1.6TB to 1100 TB
Quantity	Up to 72 Drives*

I/O – PCIe

PCIe Lanes	80 Available lanes per node
Lane Allocation	FabricXpress PCIe lanes are unique in their ability to be provisioned to any component based on use case requirements
Bus Allocation	8x/16x

I/O – PCIe CARDS & ACCELERATORS (optional)

Full Height Full Length (FHFL) Slots	Up to 8
Half Height Half Length (HHHL) Slots	Up to 16

EMBEDDED I/O PORTS

Network Interface Card (NIC)	2x10Gbe LOM
ILO/BMC Management	Dedicated 1Gb or Shared 1/10Gb
USB Ports	2x USB 3.0

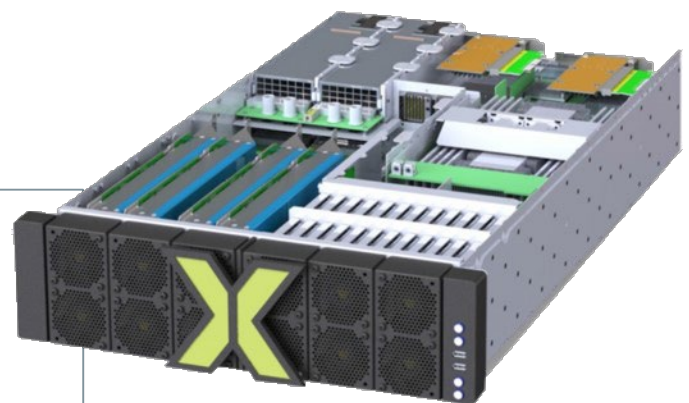
INSTALLATION OPTIONS

Power Supplies	4x 80 PLUS Platinum Efficiency 2000W
Voltage	120/240 VAC, 50-60 Hz
BMC Management	Rack Mount Kit (optional)
Operating Systems	<ul style="list-style-type: none"> Windows® Linux®
Hypervisors	<ul style="list-style-type: none"> Microsoft® Hyper-V VMware® ESXi KVM
HCI Certifications	<ul style="list-style-type: none"> Microsoft Azure Stack HCI Microsoft WSSD VMware Horizon

3U

Provides non-transparent bridge PCIe connectivity between servers (Optional)

Dimensions:
5.25" H x 17.25" W x 30.0" L
134mm H x 438mm W x 762mm L



*72 NVMe available to a single server or to total system when two servers